RUDRAPRASAD CONSULTANTS

Structural Engineers, Architects &
Project Management Consultants

To,

Date: 25-01-2023

ASSISTANT EXECUTIVE ENGINEER

PROJECT SUB DIVISION YELAHANKA ZONE

BBMP

BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **"CONSTRUCTION OF OPEN AIR THEATER AT WARD NO.07 IN BYATARAYANAPURA ASSEMBLY CONSTITUENCY"**

Ref: 1. Work Order No: EE(Project)/Ynk Zone/WO/11/2021-22

2. Job code: 007-20-000033

We are here with forwarding to Sri. S D Venkatesh Gowda, #151, Santhanur Village, Bagalur Post, Jala Hobli, Bangalore-562149. First & Part Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs.59,02,817.00/-(Rs. Fifty Nine Lakhs Two Thousand Eight Hundred and Seventeen Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

RUDRAPRASAD CONSULTANTS BANGALORE

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

Attachments PMC Compliance report

pd. as per Bill & put up along with the Original file
K. Rechan 25/1/23

#3, 7th Main Malleswaram, Bangalore – 560003
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NAME OF WORK:- Construction of Open Air Theater at Ward No.07 in Byatarayanapura Assembly Constituency

Name of Client : EXECUTIVE ENGINEER, PROJECT DIVISION, YELAHANKA ZONE BBMP, BANGALORE

Contractor/ Agency: Sri. S D Venkatesh Gowda, #151, Santhanur Village, Bagalur Post, Jala Hobli, Bangalore-562149

Total Cost : Rs.59,02,817.00/-

Date Of Inspection : 25-01-23

Status Of Bill : First & Part Bill

In the Presence of : a) Assistant Engineer, Project division, Yelahanka Zone, BBMP, Bangalore

b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	KSRB 2-1.1 Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
2	KSRB 2-2.2 Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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3	KSRB -3.2 Providing and injecting chemical emulsion for Preconstructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured.	Work done upto the Billed Quantity and the Quality is satisfactory
4	KSRB 4-1.3 Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85 cum and fine aggregtes @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, including cost of all materials,labour, HOM of machinery,curing complete as per specifications	Work done upto the Billed Quantity and the Quality is satisfactory
5	KSRB 4.2.1 Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates@0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths, etc.. ., including cost of all materials, labour, HOM of machinery, curing,complete but excluding cost of reinforcement as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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6	KSRB 2.3 Filling available excavated earth (excluding rock) in sides of foundations upto plinthin layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming afterwatering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications	Work done upto the Billed Quantity and the Quality is satisfactory
7	KSRB 5.2.2 Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2 m. apart in each course including cost of materials, labour, curing complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
8	KSRB 4.2.7 Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates@0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks,anchor blocks & plinths, etc.. ., including cost of all materials, labour, HOM of machinery, curing,complete but excluding cost of reinforcement as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
9	KSRB 4-6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.	Work done upto the Billed Quantity and the Quality is satisfactory
10	KSRB 4-6.7 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.	Work done upto the Billed Quantity and the Quality is satisfactory

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11	KSRB 4-6.5 Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton.	Work done upto the Billed Quantity and the Quality is satisfactory
12	KSRB 4-6.2 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specificaiton	Work done upto the Billed Quantity and the Quality is satisfactory
14	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specificaiton.	Work done upto the Billed Quantity and the Quality is satisfactory
15	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
16	KSRB 5-14 Providing and constructing non load bearing wall with solid concrete blocks having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No. 5.4 with solid concrete blocks of size 40X20X20cm	Work done upto the Billed Quantity and the Quality is satisfactory

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17	KSRB 5-14.1 Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications	Work done upto the Billed Quantity and the Quality is satisfactory
29	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.	Work done upto the Billed Quantity and the Quality is satisfactory
30	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
31	KSRB 15-3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
40	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators Weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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149	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
150	Fabricating providing and erecting in position of MS hot dipped galvanised sq hollow pipes of 132X132 heavy gauge length 3000mm with MS hot dipped galvanised grill work as per approved design and drawing of chief architect using 12X75mm galvanised flat for alround frame and 20X20 mm galvanised forgedornamental arrowhead in top and bottom the work, including welding, grinding finishing 2 coats of anticorrosive paint over one coat of metal paint, as per direction of engineer incharge	Work done upto the Billed Quantity and the Quality is satisfactory
154	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc, as per specification and Direction	Work done upto the Billed Quantity and the Quality is satisfactory

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155	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 0 to 50m	Work done upto the Billed Quantity and the Quality is satisfactory
156	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 50 to 100m	Work done upto the Billed Quantity and the Quality is satisfactory
157	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 100 to 150m	Work done upto the Billed Quantity and the Quality is satisfactory

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158	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig ofcapacity 250 PSIG & above CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) 150 to 200m	Work done upto the Billed Quantity and the Quality is satisfactory
162	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end	Work done upto the Billed Quantity and the Quality is satisfactory
163	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM and testing complete as per specifications. 250mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
164	Providing 175mm dia casing cap	Work done upto the Billed Quantity and the Quality is satisfactory
165	Providing MS Casing pilpe collars	Work done upto the Billed Quantity and the Quality is satisfactory
168	Supplying and drawing 3core flat PVC sheathead submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and Powder coated extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & conforming to GTP of GROUP-A.	Work done upto the Billed Quantity and the Quality is satisfactory

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E1	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
E2	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.(The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Work done upto the Billed Quantity and the Quality is satisfactory
E3	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.	Work done upto the Billed Quantity and the Quality is satisfactory
E4	40mm Normal gauge polythene bore pipes	Work done upto the Billed Quantity and the Quality is satisfactory

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E5	Supply, installing,testing and commissioning COMMON control panelconsisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type Upto 6 HP pumps	Work done upto the Billed Quantity and the Quality is satisfactory
E6	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 3.00 HP - 120 LPM @ 55 m = 5 STG Outlet Dia - 2.00"	Work done upto the Billed Quantity and the Quality is satisfactory

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